

# Shutdown Work List for the Accelerator

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Thomas Jefferson National Accelerator Facility



# SAD Overview

- **Shutdown Thursday morning 0700 2/3/05**
- **PSS Certification 2/21-2/25/05**
- **Tunnel Lockup 2/24/05**
- **Physics 3/9/05    *5.75GeV (same energy as now)***



## February 05 SAD

Red: Lock Up Blue: System Interruption Green: Support

DC05-02e.doc SFS 05-01-31

Sun	M	T	W	H	F	Sat
Owl <b>January 30</b>	31	<b>February 1</b>	2	3 Rad surveys 0700	4	5
Day Hall A: E01-015 4.612GeV/100uA Hall B: eg3 5.749GeV/50nA Hall C: HKS install	Beam for Physics Rad boundary NAB	Beam for Physics  1330 Safety Meeting	Facility Development	PGun cathode bake Laser table work Inj cryo rack power Stone drop VESDA upgrade Turbo pump PM	CHL 480V TS CHL Trip ~9:00 LCW tie: Hall A to BSY LCW leak TS ODH calibrations ODH upgrade	Network Outage
Swings						
Owl 6	7	8	9	10	11	12
Day Network Outage: Server Patches	Inj paint preview Cryomodule warm up NL04 windows BPM test stand NL27 YR hose replacements Nylon fittings PM loc segmentation	N&SLSB power outages for Emer Loop  HA2E02 > 2E03 move 1C12 SLI & OTR mirror replacement	5MeV helicity mags Ceramic beampipe? IPM1 S01 & 1L27 inst	VIP HV rework  ITVAT09 TS Pass 5 IOT remote resonance	Sentara Tour Turbo pump PM	
Swings	FEL BBU?					
Owl 13	14	15	16 Penetration stone	17	18	19
Day NL03, 04, 09 Windows	Hall A dump He purge B95 resin bottles NAB cooling twr PM 2E RF Sep LLRF CM Paint Inj walls Crane Certifications	NAB&MCC 8 hour power outage: EM loop	Unit sub W5 outage SAB cooling twr power SAB cooling twr PM 1L10/1L11 cryocycle	Tunnel cleanup	DP activation Tunnel cleanup CHL 2K	
Swing						
Owl 20	21	22	23	24	25	26 5MeV setup
		Begin Ops Days only RECO on duty (RL) Begin EES coverage			7:00 Begin Ops 24/7	
Day	Holiday President's Day 700 PSS Cert: Halls & BSY	Sftwr hot checkout Insp shims Punchlist development Radcon checklists FEL Harvard tests?	DOE Tour 1000-1500 BSY/Hall A arc energy alignment check	Inj/NL/SL Lockup RF Optimization Magnets ON	Inj Restoration 500keV Warm RF: Magnets & RF ON 2L16-5 Q calibration 2L21-8 arc data	
Swings		1600 PSS Cert: SL&BSY iocea2	1600 PSS Cert: Inj/NL	?1800 PSS Cert: ALL funct test w/Gun & BCMs magnets&RF ON	PSS Cert: Float	
Owl 27	28	<b>March 1</b>	2 PD on duty	3 Lock Hall A	4	5
Day 5.749GeV Machine Restoration	Beam hotchecks: HLA, Diag, RF			Collaborative Tests 5.749GeV Operations		
Swings				Hall B lockup swings/owls only		
Owl 6	7	8	9 Restoration End	10	11	12
Day Collaborative Tests			Hall A: E01-015 4.612GeV/100uA	Hall C HKS installation Physics 6/4/05	Hall B: DVCS Comm. 5.749GeV/50nA/p	
Swing						

# Major Tasks (from about 100 in ATLis)

- Injector tunnel painting
- CHL 480V troubleshooting and repair
- *Warm window replacement: NL03, NL04*  
—*Requires warming cryomodules to room temp.*
- Power outages: N&SLinac SB's and MCC
- Network Outage (standard patches)
- Diagnostic/Vacuum: harps, ITV8T08, SLI mirrors
- RF & DC power supply PM
- Crane Certifications
- Tunnel Cleanup
- PSS Certification



# General Information

- Morning Meeting at MCC for daily coordination
- Crew Chief phone **630-7050**
- ATLis task updates (pre-work planning)
- Safety Questions? Supervisor or Ned Walker (**x6638**)
- If your task goes beyond what you expected  
—Stop and re-evaluate
- Questions? Steve Suhring **584-7670**



# Final Slide

- **Swapan will say a few words now**
- **Brief intermission (5 minutes)**
- **Work Supervisors to stay for Part II**



**- QUESTIONS -**

**THANK YOU**

